

SOUTHWEST COLORADO LIVE FUEL MOISTURES BY SPECIES TESTED.

Grass, Sage, Service Berry, Gambel Oak, Pinyon Pine, Juniper, Ponderosa Pine.

LIVE FUEL MOISTURE INTERPRETATION SUMMARIES

GREATER THAN 180 %	FIRES WILL EXHIBIT very low fire behavior WITH DIFFICULTY IN CONTINUED BURNING. RESIDUAL FINE FUELS FROM THE PREVIOUS YEAR MAY CARRY THE FIRE. Foliage will remain on the stems following the burn. Fires can be generally attacked at the head or flanks by persons using hand tools. Handline should hold the fire without any problems. Fires will mornally go out as soon as the winds dies down.
151% - 180%	Fires will exhibit LOW FIRE BEHAVIOR with fire beginning to be carried by live fuels. Both foliage and stem material up to 1/4 inch in diameter will be consumed by the fire. Burns will be generally patchy with many unburned islands. Engines may be necessary at the head and handline will be more difficult to construct but should hold at the head and flanks.
126% - 150%	Fires will exhibit MODERATE FIRE BEHAVIOR with fast continuous rate of spread that will consume stem material up to 2 inches in diameter. These fires may be attached at the head with engines but may require support of dozers and retardant aircraft. Handline will become ineffective at the fire head but should still hold the flanks. Under high winds and low humidities, indirect line should ne given consideration.
101% - 125%	Fires will exhibit HIGH FIRE BEHAVIOR leaving no material unburned. Head attack with engines and dozers will be nearly impossible on large fires, but may still be possible on smaller developing fires. Retardant aircraft will be necessary on all these fires. Flanking sttack by engines and indirect attack ahead of the fire must be used. Spotting should be anticipated. Fires will begain to burn through the night, calming down several hours before sunrise.
75% - 100%	Fires will exhibit EXTREME FIRE BEHAVIOR. Extreme spread rates and moderate to long range spotting will occur. Engines and dozers may be best used to back up firing operations and to protect structures. Indirect attack must be used to control these fires. Fires will burn actively through the night. Air turbulance caused by the fire will cause problems for air operations.
LESS THAN 74%	Fires will have ADVANCED FIRE BEHAVIOR with high potential to control their environment. Large acreage will be consumed in a very short time periods. Backfiring from indirect line, roads, etc. must be considered. Aircraft will need to be cautious of hazardous turbulence around the fire.

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Live Fuel Moisture 2011

SPECIES: Grass															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'						0%	110%	145%	82%		65%				
								102%	66%						
Col - Middle Mountain - 8,200'						0%	162%	148%	172%		213%				
								139%	136%						
Col - Engineer Mountain - 9,100'						0%	174%	217%	83%		124%				
								197%	122%						
Dol - Boggy Draw North - 7900'															
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'															
MVP - Chapin Mesa - 7,650'															
Pag - Turkey Springs - 7840'							139%			143%	88%	127%	119%		
SUA - Mesa Mountain - 7000'				180%	200%	123%	80%	39%	46%		29%	23%	34%	22%	
					184%						25%				
SUA - Sandoval - 8200'					262%	154%	148%	141%	103%		60%	76%	93%	70%	
											97%				
UMA - North Thomas - 7400'															
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'															

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SPECIES: Sage															
Sample Site	Mar 15 - 31	Apr 1 - 15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'															
Col - Middle Mountain - 8,200'															
Col - Engineer Mountain - 9,100'															
Dol - Boggy Draw North - 7900'															
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'					173%	185%	124%		106%	117%	100%				
MVP - Chapin Mesa - 7,650'															
Pag - Turkey Springs - 7840'															
SUA - Mesa Mountain - 7000'				167%	174%	132%	93%	87%	78%		78%	81%	105%	76%	
SUA - Sandoval - 8200'					168%						87%				
UMA - North Thomas - 7400'						148%	133%	105%	126%						
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'						142%	119%	76%	65%						

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Live Fuel Moisture 2011

SPECIES: Service Berry															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'															
Col - Middle Mountain - 8,200'															
Col - Engineer Mountain - 9,100'															
Dol - Boggy Draw North - 7900'															
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'															
MVP - Chapin Mesa - 7,650'						80%	113%	--							
Pag - Turkey Springs - 7840'						115%									
SUA - Mesa Mountain - 7000'															
SUA - Sandoval - 8200'															
UMA - North Thomas - 7400'															
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'															

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SPECIES: Snow Brush															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'															
Col - Middle Mountain - 8,200'															
Col - Engineer Mountain - 9,100'						203%	133%	174%	45%		108%				
Dol - Boggy Draw North - 7900'								116%	133%						
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'															
MVP - Chapin Mesa - 7,650'															
Pag - Turkey Springs - 7840'															
SUA - Mesa Mountain - 7000'															
SUA - Sandoval - 8200'															
UMA - North Thomas - 7400'															
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'															

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SPECIES: Gambel Oak															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'						200%	165%	124%	117%		97%				
								109%	97%						
Col - Middle Mountain - 8,200'						226%	166%	149%	124%		139%				
								120%	125%						
Col - Engineer Mountain - 9,100'															
Dol - Boggy Draw North - 7900'					Dorm	244%	137%	103%	103%	102%	108%				
Dol - Boggy Draw South - 7600'					Dorm	279%	141%	108%	108%	110%	110%				
DOL - Stinking Springs - 6400'															
MVP - Chapin Mesa - 7,650'							114%	108%	96%	95%	73%	91%			
								99%	93%	95%	91%	88%			
Pag - Turkey Springs - 7840'							175%				105%	112%	109%		
SUA - Mesa Mountain - 7000'					228%	148%	109%	94%	89%		86%	86%	84%	80%	
											90%				
SUA - Sandoval - 8200'					218%	203%	128%	114%	99%		98%	76%	97%	90%	
											96%				
UMA - North Thomas - 7400'						234%	113%	103%	99%						
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'						191%	122%	111%	105%						

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Live Fuel Moisture 2011

SPECIES: Pinyon															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'															
Col - Middle Mountain - 8,200'															
Col - Engineer Mountain - 9,100'															
Dol - Boggy Draw North - 7900'															
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'					90%	93%	125%		146%	139%	148%				
MVP - Chapin Mesa - 7,650'						115%	82%	96%	114%	98%	104%	100%			
						81%	91%	102%		106%		106%			
Pag - Turkey Springs - 7840'															
SUA - Mesa Mountain - 7000'				80%	76%	84%	85%	96%	104%		114%	105%	96%	103%	
					83%						105%				
SUA - Sandoval - 8200'															
UMA - North Thomas - 7400'						74%	91%	96%	98%						
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'						78%	88%	95%	95%						

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SPECIES: Spruce															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'															
Col - Middle Mountain - 8,200'															
Col - Engineer Mountain - 9,100'						74%	136%	76%	79%		116%				
Dol - Boggy Draw North - 7900'								99%	106%						
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'															
MVP - Chapin Mesa - 7,650'															
Pag - Turkey Springs - 7840'															
SUA - Mesa Mountain - 7000'															
SUA - Sandoval - 8200'															
UMA - North Thomas - 7400'															
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'															

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SPECIES: Juniper															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'															
Col - Middle Mountain - 8,200'															
Col - Engineer Mountain - 9,100'															
Dol - Boggy Draw North - 7900'															
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'					82%	88%	93%		93%	85%	102%				
MVP - Chapin Mesa - 7,650'						81%	82%	79%	61%	79%	84%	80%			
						80%	81%	78%	76%	81%	80%	76%			
Pag - Turkey Springs - 7840'															
SUA - Mesa Mountain - 7000'				78%	69%	82%	78%	79%	72%		68%	70%	93%	65%	
					74%						74%				
SUA - Sandoval - 8200'					82%	87%	93%	94%	105%		81%	76%	87%	81%	
											81%				
UMA - North Thomas - 7400'						85%	76%	77%	78%						
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'						84%	78%	81%	78%						

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Live Fuel Moisture 2011

SPECIES: White Fir															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'															
Col - Middle Mountain - 8,200'						101%	114%	110%	127%		154%				
Col - Engineer Mountain - 9,100'								83%	126%						
Dol - Boggy Draw North - 7900'															
Dol - Boggy Draw South - 7600'															
DOL - Stinking Springs - 6400'															
MVP - Chapin Mesa - 7,650'															
Pag - Turkey Springs - 7840'															
SUA - Mesa Mountain - 7000'															
SUA - Sandoval - 8200'															
UMA - North Thomas - 7400'															
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'															

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Live Fuel Moisture 2011

SPECIES: Ponderosa Pine															
Sample Site	Mar 15 - 31	Apr 1-15	Apr 15 - 30	May 1 - 15	May 16 - 31	Jun 1 - 15	Jun 16 - 30	Jul 1 - 15	Jul 16 - 31	Aug 1 - 15	Aug 16 - 31	Sep 1 - 15	Sep 16 - 30	Oct 1 - 15	Oct 16 - 31
Col - Sauls Creek - 7000'						93%	95%	100%	113%		122%				
								101%	101%						
Col - Middle Mountain - 8,200'						91%	91%	98%	101%		140%				
								113%	116%						
Col - Engineer Mountain - 9,100'															
Dol - Boggy Draw North - 7900'					91%	85%	134%		135%	137%	145%				
Dol - Boggy Draw South - 7600'					92%	85%	119%		128%	158%	136%				
DOL - Stinking Springs - 6400'															
MVP - Chapin Mesa - 7,650'															
Pag - Turkey Springs - 7840'							95%				122%	121%	122%		
SUA - Mesa Mountain - 7000'															
SUA - Sandoval - 8200'					73%	77%	80%	94%	100%		104%	108%	94%	93%	
											99%				
UMA - North Thomas - 7400'															
UMA - Sundance - 7550'															
UMA - Hanna Springs - 8,499'															